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## P. YALE III 137

## A YALE PAPYRUS IN THE BEINECKE RARE BOOK AND MANUSCRIPT LIBRARY III

# AMERICAN STUDIES IN PAPYROLOGY

Series Editor Ann Ellis Hanson

Number 41

A Yale Papyrus (P Yale III) in the Beinecke Rare Book and Manuscript Library III

> by Paul Schubert

# A YALE PAPYRUS (P YALE III 137) IN THE BEINECKE RARE BOOK AND MANUSCRIPT LIBRARY III

by PAUL SCHUBERT

American Society of Papyrologists Oakville, Connecticut

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#### PREFACE

While I was working on my doctoral thesis (P Droc = Lev archives de Marcus Lincrettas Diogenero), which dealt with a family living at Philadelphia in the second and third continues AD, my attention was drawn to John Dates preliminary reports on what has now become P Fall 1137 (henceforth 137). At the time (1988), he had already passed the project on to Sussay Stephens, who facts kindly allowed me to include in my dissertation whatever material I would find helpful from her own work. I made use of this source of information in P Droc 44.45, where I referred to what was then known as P Yale in: 20% It should therefore be clear to the reader that the present publication owes much to the draft versions of both Oates and Stephens, to whom I extend my warmest thanks for having given me full access to their work, although I cannot acknowledge their contribution in slead.

When Roger Bagnall approached me in 1993, asking me to take over the publication of 137. I seized what I thought would be an opportunity to pay back my debt to any American colleagues. Little did I suspect that this

<sup>11</sup> Claims: The Romanovation of the Circle Fact The Level Active of Leepell, BAAP, 2, 1968, \$7 and 4.1. Plant designs on S. Freenandhering the Roman Luight. In the Sec. M. Concernfict the Party African 1966. The French Sec. No. 2011. There exists a Million 1966. 4G, 3G, 3d.—Thankhooking, at Phys. Chipharm. 25 of French A.D. Barry, Phys. Leef. A Million Concernity Party (1967), 1865. 387.

debt, far from being settled, would actually increase to a size where compensation could not even be considered. I will nevertheless granefully acknowledge some of the help I received while working on this book.

In addition to givens this project is tresh start. Baguall read several versions of the book of draft form, the ked for the some readings on the entertial in New Haven, and was a constant inspiration throughout the process of writing. Some will recognize by trademark number crimching approach in the introduction over this web the disciple's struggle with quantitative analysis with gasaly hig distinguished from the moster's achievements in this particular over Some, shelt arears formulae as a flux particular over Some, shelt arears formulae as a flux were tireck to me when I struct working on 137. I needed a stash course in senting up statistical tables, this was quovided by my colleague hangers transfer on school deserves special thinks for his patience while dealing with in early but change paper.

In the course of winters for book. I benefitted from shych-spons with feati lacques. Valsett. Yhat Bassasan, khoa tabbank and Michael Sharp. The fatter very kindly do wed me a distraction of his work on kheadelphas, which has been published in the meanwine.

I ven at the type age of thirty and some years, a veholar can out learn from his mother mine took the pane to weed out spirty a number of mistakes from toy less than perfect I nelish.

The two anemotions to ideas who went through the book in the bindstage of writing decreas special dents, for othering placety with great tactmore suggestions and corrections that I could decently confess to the reach t. My only frustration has in the fact that anonymous readers, by definition, do not get due credit anached to their names. I take solve in the thought that I can name a third reader. Ann I: Hanson: going well beyond the call of duty as editor of this series, she tend the whole manuscript in detail and improved it in many ways. I would also like to thank Gregory Rowe for having read through the last set of proofs. All the same, I take full responsibility for any errors that remain.

Finally, I would like to thank the Bentecke Rare Book and Manuscript Library and its curator, Robert Habcock, for allowing one to publish this papyros.

### EDITORIAL CONVENTIONS

The text in this volume is edited according to the standard "Leiden" system described by F.G. Linnet, *Circuit Papers* (Cixtord 1980s), 187–188, and 203.

obyo - letters about the reaching of which there is a genuine doubt, or letters which are so multilated that will put the context they smell be read to more than one way.

- altegibile fotters of which the number is estimated

massing letters, of selects the number is estimated

In Fig. . Teners restored by the editor of the lest.

in Prof. is letters of words conflict by the scale and supplied by the editor

righted in resolution of alsbreviations

riffyil ensures by the scribe.

obyo - interfinear additions

Papyrus editions and papyrological ionimals are cated according to the Checklist of Edition can Coack and Latin Papers, Osmaca and Edibles ed-FF, Oares / R.S. Hagnall e W.B. Willis / K.A. Worp (EASP Suppl. 7), Alkanto 1992 b.

#### INTRODUCTION

This papyrus is a return of facable private land for the village of Plufadelphia damage from XD 216 17. I scept for a tew damaged places and possibly the lack of a first introductory column (see below), the register is complete, and thus provides us with an exceptional overview of landholding in this voltage. The papyrus was patichased in 1931 in Cano from the signlet Maurice Nalman, who had apparently had access to a large final from the village of Philadelphia in the Aramone name. The bulk of P Date, found also in Philadelphia and damig from the same period, was bought from Nalman by the "papyrus cartel" for the British Museum in 1922, 137, was already presented in its outline in the Timos (see above, preface, footnote I) but publication has been delived ever since.

### Description

137 is a roll with veven collimns of writing on the recto, running about the liber), the verso of blank. At the time of discovery, it was one single piece, their was one indo too pieces, each approximately 32 x 25 cm. before being exeminally reassembled in a single frame. The roll is in a pood state of pieces ation, except for cold, which has lost its lower left corner and is dismaged by a number of bales. This scents to imply that, as should be expected, cold fromed the outer part of the roll when it was found. The pipying shows throughout varying degrees of wear abrasion or puncture.

Comparison with Rel. II 659. Soknopsion Speed. A D. 2293, however, suggests that there may base been yet another column at the beginning of the roll. In this parallel document, the first column gives some information.

Margins at the rop and bottom are between 1.5 cm and 2.5 cm over the different columns. At the left between 1 there is a margin of 5 them, and at the mehr of earl VII, one of 1 them. A space varying train 2.0 to 3.0 cm has been left between the columns of writing 4 of 4 and 11 are approximately 13.0 cm wide, but columns III to VII andy 10 to 11 cm in width

For gamellets to the wording proposes a stock the second PVI (1994) Constraints. AD The online estimate to the property of a site PVI (1994) Constraints. AD 261 VD 200, public stock of second property (1995) AVII (1994) (1995) Constraints. AD 261 publication of another to force (PVI for 1207) Histopology (PVI 208) agreement and bungaston (PVI av XII (1992) (1993) Are according to the sensite.)

Except for the last two colonins, the ink is dark and easily legible. The writing, running along the fibers, is in a fluent, fast cursive hand, and makes use of many abbreviations. Parallels can be found at the beginning of the third century. A.D.

It should be noted that, when employing fractions, the surface has two ways of writing 1/2 ... = 1/2 (not in the form 3/4) is always (officied by another smaller fraction (see loses 8, 61–95) 10° (42). On the other band, I' is never followed by a small fraction (escept when combined with d : 1/4 to make 3/4). On the whole, small fractions appear relatively seldom, in contrast to P. Herm, Lamboton

#### Contents of the register

The register is self-described in a "Physical value payments in cosh and in kind a look to conspicuous being prepared to be sent in Synall to the armies of the emperor Canacalla, drafted by Aurelius Parion, village senbe of Philodelphia. The document is dated at the end at the 25th year of Caracalla, i.e., V.D. 216. The lost itself consists of three parts. Inst. Tise entries recording. Alexandrian increasingles, there a dozen entries with local imagistrates and people of archon rank emetropolitans), and finally clien of all other fundipolites in alphabetical order. From the available evidence, if seems, that alphabetical order from the available evidence, if seems, that alphabetical ordering was introduced by Alexandrian schulars, but our overall picture of this quiestion could be dissorted by the fact that

Security W. Salashar, Prof. Silve VIII. (1997) P.D. 12. pt. XXIII. co. scalario in a silvent in South South Silvent Scalar and S. VIII. Silvent Scalar and S. V. Salashar and S. V. Sala

the relevant documents come mostly from ligypt, which has provided us with the bulk of paper. In any case, lists seldom follow a strict alphabetical order, usually, only the first two or three first letters of each entry are taken into account. For 137, only the first letter of the name is relevant to the order in which the names appear. The entry skin possental Chens'll is recorded under kappa, and not following the name of the person whose hears are mentioned.

In all three parts, the discouncil operaties for each name, on the same time, the outface of erain land operation,  $\hat{\eta}$  and orchard land observed  $\hat{\rho}\eta$  under twittering in a register of studio purpose P(Stras) VII (688, drawn up in 216, a key) is estimated in two categories are dentitied by the names with which they were known in the records and on most cases a patronymic or

<sup>\*</sup>Note I. W. Dale Contraction in a confliction of Collaboration in a Longital and the Weldle Annual Coll. Influence 2.1 Brown Section 1. Apr. 38–39. [B. Brown Discher Representation of produces of the Annual Collection of the Main Lane (2018), 42–41. Rome II. Harranier. These Westbarray and inpudicular and Section Section. Annual Collection of Possible Annual Collection of the Annual Collection of Collection Research of the Annual Collection of Collection Research of the Annual Collection of Collection Research 1. Annual Collection Co

<sup>&</sup>quot;This scans to be a normal practice on e.g. P.H. on Teach. J. Soft son and Cont. 150.

See M. Sharp. The Nell-vessel Elicadelphysic de, Lyvy and Lond and Population in the Second Century on VK. Rossonia. T. Rosson ed., According to E. Lyvysian. Physicians in Measure Proc. Proc. Brit. Acad. in Occord panels (St. 192-48), 188.

matronymic, social status, name of the master (for slaves), military status, profession, place of residence, beits. There does not seem to be any straightforward rule for identification. People were probably listed in the same way that they were best known in the community.

Strictly speaking, the heading does not lit the actual contents of the register; no "payntents in cash and in kind" are listed in the text. The easiest explanation for this apparent discrepancy is that the register was drafted to assess the value of fandholding for each individual in the village. A contribution would be exacted from every owner of private land. The register does not specify the name of the last that will presumably be levted on the landowners of the village. Lists issued for the collection of taxes, staing the individual taxpayers, the objects taxed and sometimes the sometime be exacted, were called outcompagns are "oxigo". Similar lists are to be found which are not explicitly called order tryonger. In the case of our register, the heading seems to might precisely that there is no standard way of minimic this minimal contribution.

All stories of their actions Post IV or CO (Assume AT) 22 to P Law in All money round AD (67) to the Schooling produced into II 598 (Als home, AD (1944) Schooling Post ANII SS (Schooling produced into II 598 (Als home, AD (1944) Schooling ANII 174 (Schooling ANII 594 (Schooling ANII 594 (Schooling ANII 594 (Schooling ANII 594 ANII 594 (Schooling ANII 594 ANII 594 (Schooling ANII 594 ANII 594 ANII 594 (Schooling ANII 594 ANII 594 ANII 594 (Schooling ANII 594 ANII 594

No. 12 America VIII State (1994)

On the overall quadratic value logistics at the first size P. Herz, Newton 1995, then  $A_{\rm th} = 0$  and  $A_{\rm th} = 0$  are charged a very sample  $D_{\rm th} = I_{\rm th} I_{\rm th}$  accounts be consequently effective.

#### Historical setting

Has document is dated to the 25th year of Caracalla (A.D. 216/1). In its heading, it mentions payments to be sent to Syrra to the emperor's army, obviously in preparation for the Partham war in the course of which Caracalla was assassinated (S. April 217). Contributions smainly wheat) for the emperors' campaigns could be used not only to support the army in the area of actual combat, but also to support the sities that had to accommodate the army along the way. It has also been argued that an army did not cost much more when income, and that was were actually

University (Construction of Section 1988) Section of the Atlantic Construction of the Atlantic Construc

\*\* Note: A. Marriago Constitutional congression of the state of the Constitution of the Physics of the Constitution of the Con

See I Kerrel, historia marinaria and to particular and marinaria there is a few Provincia de la necesar de la China. El esta el 200 esta el 180 Kadherinaria anté que THE Also Richardon de l'accessor de 117 per excuses for raising taxes. This trend is noticeable in the fourth century, but some clues already appear from the Severan times onward.

The emperor stayed in Mexandria between December 215 and the spring of 216. and we have evidence for requisitions made during his stay. Two documents in particular provide us with a bith between Caracalla's visit and the requisitions made for the war effort in Syria 1861. The 26 W. Chr. 245 is a property declaration in which the owner of two camels reports that the animals were requisitioned for Caracalla's visit; they were renirned, after which one of them was again requisitioned, this time

New Haven of andere 1976 of the and 25° 588 of 23° 680 reportation for an almost sense of the first of a limit of the Bastistee of the result of the American Tributes of the Bastistee of the result of the American Tributes of the International Consolidate date Kansels Mercus?, Korol 20° 190 (100 (100 ord for supplies by a binning to distribute of the Kansels Mercus?, Korol 20° 190 (100 (100 ord for supplies by a binning to distribute of the Kansels Mercus?), Korol 20° 190 (100 ord for supplies of the supp

On Carnella's superior of A Methy Los Legeron in the Roman World clauded (1977) 33. A temptor past querior of Man S 200 for the depostar, from Algorithm has been proposed to A Lake of the C. Verendres sons by Several of Clastorium applies of a Common deduction of Antonio Legeron and Common deduction of the Common differentials, Alberta Collinguage and Reference of Balance of St. Balance from the first of Man 200 where Common different Alberta Collinguage and Collinguage and

(See Pitrot A. F. Strate P. 1228) instructed for J. Wherehold S. Doll Carolindon International Computation of the Sci. (182) 132 (133) [First A. M. H. Strate P. 13802 (1838) Sec. also Strate advance formula; 1 (1929).

for the army in Syria, whale the other was declared unfit for service, and was therefore returned to its owner. The wording of the phease mentioning the requisition offers a close parallel to the present text. BGI (1/266/17)20. the for its hapon he point and adaptation for precinculations of asperson prison on a septem upon to suspicione & for injuri. Assurement 137, 4-7 magazini vince and historic month previousless, deposit bounds and Studion in home Antial Springers Learnings Anders and Loss Control familians. Althorass In both instances it seems that the person who dialized the document refers back to the text of an order of requisition. The working to prevention deposits poter of which there is no other occurrence in documentary papers is particularly striking. Red 4 206 14 Disperitors that a contarior. Antelino Calvisias Maximus, was sent by the prefect, Valerius Daties, to enforce the requisition P Cos. XI III, 5091 to a sworm declaration from a litting stay by employables to convey to Alexandria. barley destined for the troops of Caracalla is Syrie (Chinally, P. Moos, VII) 688 (Theadelphia, A.D. 216) is a tragmentary terrister with a heading that mentions Syria below historic later amounts of atomias following a distributions differed from grams and is ingregorizing on cashing stars obspoilely connected with the same occusion.

Since the register is stated to the 25th year of Caracalla, it cannot be earlier than the beginning of this regnal year is 29 August 216 B afso cannot be much later than the date of Caracalla's assessmation is April.

The discountry of data for many variables of the experience of the entire terms of the

217) One of the individuals listed in the register Longinia Electronithation, was dead by "April 217 (see note to line 19). We thus find confirmation of the fact that the register was drafted at the latest at the beginning of April 217.

### Contemporary texts pertaining to the population of Philadelphia

Many individuals listed in this register appear in other contemporary documents already published. While the most obvious cases are listed in the notes, the reader ungle find it useful to have a short survey of the puncipal relevant documents.

- . Rell All 1617 (AD 22) see note to line 15)
- P. Doog, All and 48 (dated before A.D. 216.2) on the basis of 137).
- P. Hands IM 225 (11 III A D.)
- PROSE Georg A 58 degraining of HEAD (
- P. R. G. H. 200a.

This first document is ascribed tentatively to the Aramonte nome by its editors, and shared to the short contains  $\Delta D$ . Comparison of some names topind both in 137 and in P(R)? If 2085 shows that the latter most come

The problem of the second Power of the second problem of the problem.

from Phaladelphia, and should be dated more precisely to the beginning of the third century

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2 Bittern	St. Harakin o statute.			
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12 Arraga para Marina.	1.0 5 . O			
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japta je ost se jejtuta je				
15 Account or Cytes or	De transaction of the contraction			
Distribute, a reported	the land of the second of the Section			
	W. Landerson and			

The innepethner in P(R, t) If  $20m_0(13) \times 10^{4}$  per is further argument, if need be, for the Arsmore oriented the decomposit

### A word of caution regarding the use of statistics in the register

The register is in a relatively good state of preservation. The bottoms of two columns, however, as well as some figures, have been damaged. When a figure is partially damaged, the legible part has been recorded, this means of course that the figure is a minimum, to which one would add the missing part of the figure if it were available.

It should also be noted that this register does not incline the whole population of even all landowners of Philadelphia, but only private bindowners. The therefore difficult to use it for studying the population of the village as a whole. For unstance, one cannot draw conclusions on the importance of the Roman element among the whole population in this village, but only among owners of private land. Mso, natistics based on the level of inequality in hand distribution among private landowners in the village cannot be extended to the whole population of the village without some sort of weighting for which we do not have reliable enterna-

They competision our register from 1.25 so it and into constructs sides 12 micertain saces and its enteres for highest very construction of \$1.50. Plandelphase and count 900 mate ideals hable for political our Poses 26 from its organists find regionary more invariant appropriate to 1.50 days in construction of politic discount and twenty-turn in Physical Plane in \$1.00 are Poses 1.42.

#### Land in Philadelphia

time 8 of 137 provides us with a total in arouras of private land in Philadelphia, divided between grain land and orchard land. These figures can be compared with the totals obtained by adding the various entries in the register.

	with a mula axed members — detail from regulate virtues in tell for		
		widheral explicits	
gram taus	Tarks - Daymon 1 - 38 Year	3030 - 6 5	
no hard tamb		ONE TO P	

The register is complete twith both beginning and end clearly marked), and only a few entires are decable. In the case of orchard lattif, the discrepancy between the total from legible entries and the total as indicated in line x (ca. 94 ar., or 1.2) cought be explained by the fact that a few entires are misane. Considering only the second category of landing their copyright, in this copyright of pyractical of the possible to account to the part of the missing excluded land. Orchard land on the list for this category totals (126-15 arounds for 10 entries on luding cases where persons do not own any orchard fands or an incruye of about 13 aronias oer come. If one conais three missing lines at the bestion of cell I. I entries for orchard landare missing, which could give about 89 arour as using the same average asfor recorded entries. This is close to the 94 stouras that we left maccounted for and does not include a few massing figures in the Durdeategory condinary inhabitants). This redions coloniation however does not take into account the possibility that the first of metropolitan magistrates. could end at line 27 (see note on fine 28).

For grain land, we are left with a larger discrepancy between the total announced in line 8 and the total obtained by adding the individual entries real 770 art, or 20% of the massing entries seem too few to account for this discrepancy. The three categories of people have to be examined separately to allow a proper assessment of what could be missine in the damaged part of 137. The first group relegion to 142, 200 Springs is almost fully preserved, and only a few arourds sceny to be missing from the list. There is intole to be recovered from the second group tripger to a tytostor. Kirl approvition), since the bottom of cold Lis damaged. Nine preserved entries add up to between 330 and 400 aromas, depending on the surface to be counted to a Vurelsa Estamos dine 23, over one as there a minimum of 112 aromaso, we therefore could have an average of between 38 and 44 arouras per entry (taking line 26 into account, where there seems to be ingroun hand in the hands of the person listed). It one metades 3 quissing lines, there are 8 entries tossing for grain land in the bottom part of col. I, in the best of cases, thre amounts to shour \$50 aromas that could be lacking from the merslet. We are still far from the missing "Warongay. If one times to the third group copdings, inhabitance owners have an average of about 16 aromas of grain land highle charges are massing, Bot taking into account small losses tunder 30 arounds. This means that we can probably account for a least another 128 arounds paysonic. Mogether the adds up to 480arounds, another 200 opening are still unissing. Specify arounds femalitiely, attributed to Amelia Israma charge 25) bring this down to 200 grantas. grouphly \$5, or the car \$820 months given as bur 8. It one remembers that small lusses in the figures, make 10 groups of have not been taken unto account, and that there could be a few very weather landowing is in the missing part of col. C'hocal magnitiates and persons of archor rank" i, it

seems at least possible to account for the discrepancy between the total midicated in line 8 and the total resulting from adding all entries. One possibly wealthy owner who is conspicuously missing from the list of Alexandrians is Posidomos, his agent Endagmon is mentioned in line 50. Posidomos is a large estate owner, and a prominent Alexandrian. There are however no missing entries for Alexandrians It seems that Posidomos owned an estate in Philadelphia in A.D. 227. Other agents of Posidomos are known use Rathbone (Footnote 19). The bot Endagmon is known from no other source as Posidomos, are no

The amount of private land is larger than that of most other valtages for which we have evidence twell the exception of Karanis i

See O.M., in the most P. Rafthein. The most Kateria, and the Constitution of the Const

See HGLA THE GOLDS SV. Brothberg a bear a managery transport property on the description of the description

Some Figure 1 and the second of the second o

source	d.ite	village	todal grain	percate land	S private / total
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P. Hour 32 77	AD 16"	Pro cinals Sea			17
ed .		Hiera Novan	4000 72.0	1117 741 41	. 52
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		Hara Neson			
1-1		Divinesed	940-72-81	267 24 25	44
		Keekeesis			
Patholic VI 372	AB DESIGN	Karanis	I Course 4	3632 at	11
	SE21192				

The proportion between 32% and 48%. The total for grain land in Philadelphia is given as 3826 aromas. With due cantion given to the fact that the data available is half a century older than 137, it may be possible to suggest a figure between 2976 and 11956 aromas (i.e. between 22 and 33 km/s for the total surface of land under cultivation in Philadelphia. In other words, if this assessment is reliable private fand in third-century.

<sup>&</sup>lt;sup>17</sup> Sec D W. Radiboro, "Villages, Land and Population in Financia-Roman fizzypt". Pr. Phy 216, 633 Acr (1980) 103–142. Sp. 133–133.

<sup>\*\*</sup> Sec. V.C. Tohnson, An Learning Surery of America Rosse. Ruman Egipt to the Research Devictorian (Baltumory, 1936) 38-36.

<sup>25</sup> See Rathbone (above, frequence 22, 132, 134)

Philadelphia could have covered roughly the same total surface as the Sospecir allowed by Ptolemy II Philadelphus to his finance numster totoxyptique in Philadelphia in the third century R.C., which covered 10,000 arours.

### The distribution of land among private owners in Philadelphia

The data used for calculation is listed in the Appendix. Two different approaches will be used to describe the distribution of land in the village. First, it is possible to compare the holdings of particular groups with other groups or with the whole pool of landowners isobsections a to do Second, distribution of land inside each of the two main groups (i.e. metropolitans and villagers) should allow comparison with the situation in other places within a historical context (subsections r and f)

#### at Roman names

The importance of Roman names among owners of private land in Philadelphia has already been discussed by LE (class in BANP 2 (1965) 57-63 and Am Al Congr. Im. Pap. 151-173. Lit all the individuals listed in the register, only one bears the resc monant (10 Cities Valerius Celears, ask a Philosenos). "Roman names" (clears to all people bearing a nomina of Falm origin, sometimes followed by a conformal in latter could be of an origin other than Latin (mostly Greek). Women of course would not have the trio minima, but only a nomina and enginemia. The biggest owner (line 127 Lucretius, son of Engrebus 39 aromas of grain land and 34 aromas of orchard lands bears a Roman name, as do the next largest owners (line 147).

Suggestive, goldsmith, 80 arouras of grain land, 8.5 arouras of orchard land; fine 132. Mexia Clementina 73 aromas of grain land, 14.5 aromas of orghard land, line 200 Playie Sarapias, 66 arouras of grain land, 3,75 arouras of orchard land. There are also several Autelia Comparison. with other documents where the same people occur shows that the full names have sometimes been abbreviated by postance, the exgymmastatch Papurios of line 22 is called Materis Aurelius Papurios in RGC A31 1656 Follow delptors AD (2136) Circle the fact that this list was drafted only a few versy ifter the Constitutio Americana of 242, and about ange at did not have any direct influence on the cavic status of the villagers, it seems data all to draw any firm conclusion from the presence or absence of a Roman stone. It is quite likely however, that in h women with a Region matter of Meste Clementonal or Islan Letting belonged to a family which had been erasted Remain estizetistisp belong the Consultation Aptroporative Catavalles is doct had the effect that it least from 214 on. everyone or Levys walloug mother again a way consided to the norman Aureline this can be observed in discompute where fall datus designation. is expected. In the case of this register, we can rewrite that every person in

Secure that the North Court of the Court of the North Court of the Nor

Many was constant to the Alexander of the state of the st

York 1992 R. Xilona, V. C. and V. C. and R. and J. J. Leman. Sept. York 1992.

the list rexcept for slaves and those with a numeri other than Aurelius) was also entitled to the momen. Aurelius. There was clearly no point in indicating it in every case.

#### by Alexandrian and metropolitan magistrates

The ingression Aka EuroSpaing (Alexandrian magnistrates) in all likelihood do not live in Pintadelphia, but own land there . Other documents where they also appear show that some of these are individuals of high tank in Alexandria. Although three out of tive names fisted under this heading correspond elsewhere to Alexandrian magnistrates, it is not possible to show that the other two are definitely not Alexandrian magnistrates. In any case, a high position in Alexandria does not prevent them from shouldering some responsibility in the Arsmotte, for instance in the collection.

As for apparent 2 exportion and apparent contribution proup seems to be approved to the approved 2. "Azi-Şurangeur," By "focal," one should understand not "living in Pholadelphia", but "from the nome metropolis". The second subsections, appearing confident to people who belong to a family which has provided magnitudes of archon bank one below note to fine 18), but instance, America Junior danc 23) as known from other documents (P. Hamb 118 and 16), where the is astrop with a constant, but soft Claudius, a Ka. Prolemanos, exchapted of the city of the Assinotes.

See Rowlandson (above townson) 21 (60) 0.8 and the second more product.
\*\*Total Conferences\*\*

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Taken at face value, the headings suggest that all the people listed in those two first sections are either magistrates or related to magistrates, in Alexandria or in the nome capital. It is nevertheless tempting to draw a parallel between the three categories of the register and the three main eategories of civic status in Roman Egypt. Alexandrians cand more generally entirens of the Greek policies, metropolitans and villagers, The difference of status induces separate ways of assessing the tax rate for each category; this is precisely what may be at stake in 137.

#### er Soldiers and veterans

Of the 197 owners listed, 36 beat some relation to the army, including 5 soldiers (see below, note to line 48). To vaterans, the heats of two veterans, and finally a veteran's write 1-veept for one case (line 167), no veteran owns more than 30 arouras of exam land. Within this span of 30 arouras, no clusters emerge, it is therefore not possible to destinguish a clear gap between rich and poor veterans. Although occlarid family shows a tendency to be in the bands of veterans who own larger surfaces of grain land, it is also found among owners of smaller surfaces of grain land. On the whole, veterans own relatively lattle orchard land in the village. The same overall picture seems to emerge from nearby Karanis, where many veterans also lived.

#### da Wennight

Among the landowners women account for 32 entries. In some entries, a husband's name is given along with the woman's clines 68, 75,

See Alson cabeve, frontiste 28, 130, etd (80)

implicitly 87 & 88, 139 and 1991, and in one case the wife's name is not given at all three 55 (peer) Military (proceeding). One woman is registered as a man's daughter three 97. Opoly (itap). This trings. Most of these women however seem to be the actual owners of the land. Women are spread at all levels along the curve of owners of grain land. Of the 9 individuals owning 50 aromas of more of grain land. State women. The same pattern emerges from the study of orchard land schere women are to be found at all levels. but notably among the wealthy owners. Although they account for only 16% of the persons listed in the register they field 23% of grain land and 24% of orchard land (excluding the two last entries in the register, which are for so-called "globar categories"). The average holding for a woman is 19.7 aromas of grain land and 4.5 aromas of orchard land, against in overall average of 13% aromas of grain land and 2.9 aromas of orchard.

#### c) Grain land and orchard land

There are 197 imbordinal owners listed Of these, 123 own only gramland, 2 only orchard land, and the remaining to own both grain and orchard land. White owners of onall outlaces of grain land are more numerous than wealths owners, it is bard to set apart distinct groups of

Fire spatial converses and Sphere are produced (18 mag) 198 (1981) to the income given here can be as upon the solution of the converse with the solution of the solution of the converse with the St. (1992) to the distribution of the Roman Compact for the solution of the solution. We make a Despite Obstant to the Roman Solution of the Solution of th

owners. Orchard land tends to be concentrated among owners of targe surfaces of grain land, although there are some exceptions.

Ownership of orchard haid is firmed to 74 people out of 197. Most of them own a modest surface sup to 12 arouras), while a few have between 12 and 20 arouras. Two suitall clusters of privileged owners are clearly marked, the first with individuals owning a surface of ca. 35 arouras, and the second slightly over 60 arouras.

f) Distribution of land (Alexandrians, metropolitans and (obligers).

The following chairs manufactive the data available for Philadelphia.

	. grantes!	endrand land
Individual owners: 197	1964	* 1
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[	entries	· ·	grain land	$\epsilon_{t}$	orchard land	$\Gamma_{\mathcal{E}}$
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eNoltak aptropolis		100	\$65 TE	3.34	1101.511	16.52
Intel	1119	peri	1000.00	(10)	1,1,1,100	1110

Mexandrians and metropolitans own both grain land and orchard land. in most cases of out of 13 where data is available.) Not surprisingly, these people after lend to own larger outtages of houl than vollagers, although the gap to on the whole and cety wide thrain hand is nimely more evenly distributed between the groups of Alexandrans, metropolitans and sillagers than orchard band, as the chart showe shows. Mexandering in particular, who account for only 2.51% of the entries in the register, own 1942 of all private orghand land. Several reasons could explain this striking and dance coordinal land could hold more pre-tige onene absentee fundlophs, been book find could require logher investment in the process of sufficiency but show such English meaning and thus be more sinted to the financial means of Alexandrans, and to their financial expectations in the long run is orchard fand could be easier to monage through an agent. Pitrolic 1, 72 (this trid, sibers, fattle time an absented Jandford (Ganes Valerous Celestrs a X a. Philocenius, see also 137 43) combldevote to his estate, the sole purpose of his year segms in he the collection of the mesone from his vines and

It is not yet quite clear when and how the large estates of the Hyzantine period were binh up a process which appears to have produced a very high rate of inequality in land distribution. A good understanding of

the situation in the preceding conturies respectably the thirds could improve an overall interpretation of the phenomenon. The publication of 137 is of interest in that it offers an almost complete survey of the distribution of a particular commodity (private grain and orchard land) in the vallage of Philadelphia at the beginning of the third century. It is possible to measure meguality of land distribution by means of the Lorenz curve and its single number summation, the Gain nides ( - R), this method has already been applied to other places in Egypt, notably the Hermopolite mone in the Tourth century A.D. A.R. is expressed as a figure between 0 and 1, the former meaning perfect equality in the distribution of a particular commodity on this present instance, private lands and the latter meaning perfect inequality on other words, one individual would over all the private land available). Bewonan (181) provides a firm rodes for 137 or R (1915). which was corrected by Bagnath (above, footpote 32) 13% to 532 using allpersons listed or \$16 limiture surselves to case, with complete data othese timites are toy grain tailed belonging to villagers only. This is no trivial correction, since the figure of "V" was tank time to the index for residents of Autimoopolis and preforpolitans in one of the four quarters of Hermopolis owners land throachout the curry Hermopolite name around A.D. 3503 815), and could have suggested no great change during the third-

See A.K. Resonant, Lordination of the Designed Sound, Obs. 15 (1985), 107-108. Reproductively, Sound, 32.

The R. Dienger Land Van der der der de Greek von der Robert Landen der der Dien Landen der Schaffen der Schaffen der Robert der Geber der Robert der Rober

and early fourth centraties (see Bowman 155). In any case, comparison between different sets of data can be misleading when they do not pertain to the same level of wealth to other words, metropolitans from Antimoopolis and the Hermitepolite name cannot be compared to yillagers in Philadelphia for only to the rearrepolitans in 137.—Also, as has been stressed by Boenall cabove, toolpote 32, 130, "it is a general fact about finition orders that as one moves to larger orders of entities the index rises."

three the fact that many first not recloud land do not hold the same value per armore it events difficult simply to add them together and use this data for the sate of small or relatively absorbed in comparison with orchard fand, one could take their fand or relatively absorbed in comparison with orchard fand, one could take their fand only or one could follow a more specialities path and attempt to weight orchard land by some factor and companie it with many land. From it a remety ortation called the dischard land and grain fand or each following that the dischard to the dischard land and grain fand could be established we dill cannot make the absorbed value of a particular total. The distribution of fandlocative and the distribution of fandlocative and the distribution of fandlocative and the

In any yaw, if my turn to the count, and expectative methods, according a relative weight for operand built in comparison with count hour could be done if we had a given a dea of the price of these two categories of land in Phylodelpia car the beginning or the thank coming techniques. Although the available lata course months from the Assarote nome, it is

No the second of the second of

S. Harris and State of Landing

relatively scarce for the relevant period, and shows important variations. 1 for grain land between the second and third centuries, a rough estimate of 300 deachages should not be widely off the mark (see Dreylinge 150.1). As for orchard fand. Drexhage (\$5%) provides to vially figures for olive land, fetching processed 332 Na dr. (SRN) 5069, HEAD a 600 dr. offect. If 329, A D 671 and 896 dr. (Hell II 666, A D 122). It seems on the whole that orchard land was more expensive than grain land. The price of land Inswerer is not necessarily an adequate religious of its saling, or land landthat he there in these predictions their etain had been see have no way of measuring such prestage. The france given in MCV4 9000 (342 84 dr.) books abstrant for the third sensity of e-cross unlikely that, on the whole the price of otive land would have smik to less than half of what it was in A.D. I'M see had more late exactable this agrangely demonal freme would probably be corrected by the bulk of the other done in any case, we may not arbitrarily exclude this figure samply because if does not suit our general impression. Therefore a much price estimate for A.D. Mis could be supplying ground 600 dr. or are twice the price of group land. On this basis it is supposted with the control that we doubte the weight of orchant hand in the calculation of air several. Commission for grain and enchand hand complement. The residence terms is \$55% does with farm the figure found using the more consentional multiple (\$42 for grain land-

See H. S. Digodiny. Proc. March. Proc. Sec. Proc. at Printer and Printer and Inc. and Inc. American Sec. Proc. Sec. Proc. Sec. Sec. 1984.

only). This was to be expected, since only a minority of persons listed in the register soon orchard land. I find the prace of orchard land can be measured more reliably for the negations of the third century, it seems hard to draw any firm conclusion from such a figure. Therefore, the figures given below separate grain and orchard land.

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The index seems to use strakmets with time, and one would be rempted to conclude from these ligaces that, within a century and a half, the distribution of provide land became markedly more onever. It should be

<sup>4. §</sup> proper section of the control of the contro

remembered, however, that the Philadelphia data is quite scarce for Alexandrians and metropolitans (13 cases where data is sufficiently wellpreserved to be used) and could gasily be distorted by individual factors. (1) Also, as has been stated above. If rises as one moves to larger orders of entities. We would therefore expect the index for the whole Arsmortenome, if available and under similar circumstances, to be higher than the figure found for the sole villages of Philadelphia or Karanis. This explains in part why, for the Hermopolite nome (ca. A.D. 350), R stands at 315. This later figure can be misleading since as was pointed out by Bagnall. following Bownsan. The figures show the destribution of landholdings in a population of city residents, none of whom may not have depended on those landholdings for their primary source of income or wealth? In the case of our register, the metropolytaus listed in the list column could well have owned more private land to other villages of the Assimote, or, for the Mexandrians, even outside the nome. Therefore, our Alexandrians and metropolitans did not necessarily depend on their possessions in Philadelphia as their only source of ancoinc-

following landson, see Ragnath above, toolings 12-11-2

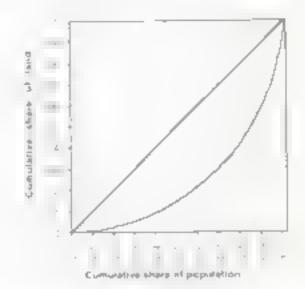
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Philadelphia

Lorenz curve for distribution of prayate eraon land (villagers)

R = .531



Baenall's charts (19), the I and 135 by 50 illustrate the relation between the Guarandex, which is a single figure, and the Lorenz curve. Although the same R can correspond to different dropes of corves, the area between the diagonal 13 perfect equality in distributions and the carve will be the same for a given R. This area increases with R, a curve very close to the diagonal income a tanky even rate of distribution, whereas a very deep curve points to intever distribution of the item index consideration.

The figures for Kerkeositis and Karanis, although more than four centuries apart, do not differ much when one considers private and public land together. On the other hand, *R* rises when restricted to private land, as can be seen from the case of Karanis and Philadelphia (grain land), # Still, the latter village shows the highest rare of inequality in the available data. For villagers owning orchard land in Philadelphia, *B* (1528) is almost the same as for grain land (1532). It should be noted, however, that the index for orchard land rises sharply (from 1528 to 340) at one takes into account zero cases, we villagers fixed in the register who do not own any orchard land. The same remark applies to the whole register, which does not take into account landless inhabitants in Philadelphia.

As was already noted by Oates (Prin Affil Int. Congr. Pup. 387), no one group dominates the private Lind of Philadelphia. The Alexandrians and metropolitans listed in the first two categories base larger holdings than the resident population, but this cannot be considered a dominant position. This register takes into account only owners of private land. This alleans that the farmers who leased land either from private owners in from the state are not included in this survey. State land leased to farmers will probably ancrease the holdings of absence owners less than those of residents, the impression that the Alexandrians and metropolitans are not

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dominant would thus presumably be strengthened it one had public land in the figures of

Comming back to the debate on the constitution of large estates in the Byzantine period, the evidence collected from the vallage of Philadelphia at the beginning of the third century shows a pattern where inequality does cost, but at a rate that is more of less comparable with what we find in Kerkeosius at the end of the second century B.C., or in Karanis at the beginning of the fourth century A.D. No angle individual can be shown to be in possessions of a dispropertionate amount of land. Among the wealthiest landowners, no clear family links have been established which would, by forming a cluster, enable us to identify a large estate Concentration of private landed wealth would have occurred, it at all, in a later period.

<sup>20</sup> On the ampact of abovet, a landlered solving voltages of M. Sharp. The Vellage of Theaderprior of the Landlered Proc. Rev. Cond. 198 (1990) 173-182, also be Rowlandson. Agricultural Landles and Vellage November 1980; b. 150-188 (sep. 148-147).

#### TEXT

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[28] Παρώς Τροσάσου και Διογενης άδελ σός.

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210 no | n 5 mpersó no

217 km | 1 | st | hydeddection

218 impropely appointed to a sec-

219 (6) 7 (6) 70

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(space)

- 220 Είνους κα Μαρκου Χύρηλου Σευνήρου.
- 221 Actorismo Hoptheologication
- 222 Вритосствой разлачи. География
- 223 profile from Liberthan & Stylenson.
- 224 Δύρ[ηλείος | Ποστον κομένως συμοτέκος επιδέδοκας

#### TRANSLATION

C . . . . . . . .

1.7

From Amelius Pasion, village scribe of Philadelphia (Itemized list) by persons, of payments in cash and in kind-prepared to be sent to Syria to the excellent arinnes of our master the Emperor Severus. Autonomics belix Pius Augustus. [Bus.]

- 8 Private land, grain land, 3826 (fraction tost carouras, orchard land, 287-1-2-1, 178)
- Mexandrane magistrates
- III. Aurelius Apion, and however he is dyled

gram land 30 car c

en hard land to give

11. Autelius Hermas, a k.a. Apollomos,

21 L L L S 1.31 L

orch, I. 16 1/2 1 S (a) )

12 Fleavino Professions, ack a Texplion

gr 1 12 1.3 m/s

13. Gams Valerius Celeuris, a kai Philosenos

gr. k. Weiser

1961 | 9189

11. Ciernellus retired centinum

gr 1 | 17 1-2 t-16 | 32 sum 1

1964 1966

15	local inagistrates and persons of a	rehon tank
lθ	Diodoros, exchigh priest	
	gr 1 37 1/2 cas.)	
17	fustus, ex-high-priest	
	द्वर । । । । । । । । ।	orch 1,58 1/2 (ar.)
įχ	The heirs of Rutis	
	gr [, 30]   Lar i	orshill (sar)
[4]	Longonia Thermontharron	
20)	Lucretia Diodora	
	[g] [ (,e)[	order last pro-
21	kajoretjus, exspyrimasjareb	
	gr 4 40]   juin /	couple & Charles
1 !	Papirus, ex gymnawatch	
	yr. 1. 21 1 2 fat (	orch 1.2 Marata
2.4	Antelia Vitalia	
	er 1 11 - 12 car x	orali (-59 rai r
24	[Aurel]ia Isidora, a k.a. Kvrilla	
	graf (13 mar)	
23	gr. 1   12 (ur.)	
åti		oneth by Justine
77	,	24 1. 1.41 1.54

 $28-29~{\rm tors}$  damaged to allow a reading, then a 3-lines missing at the bottom of the column

#### Col. II

- 30 Apolinarius, son of sanus yr 1 3 cm f
- 11. Ammonios, son of Ammonomis

gs 1 [4 (a).)

32. Asklepios son of A

gr | 12 librari

orahi 1 Bisaria

orch 1,57 at 1

\$3. Ammentos, son of Ampontos

graf Source

VI Apolinarius, son of Germanis.

or k Sharit

onglich Lengt

15 Ammonios, son of S.

28 1 HO 1 A 150 F

36 Artematores, son of Artematores,

gr 1 Penar i

17. Apollos, voires aron-

grade 2 Grade C

ouch 1.2 miles

38 A. in Sestion

or 1.5 kg car c

19. Ammonios, sim of Herakleides

grafit to the

JH Ascims, amod B) James

er 1 (8) 2 ce c

41. Avenue son of Pesis, our of Pecsta

20 1 6 1 2 cm s

42 Antonia Thermosuharion

	gr. 1, 43 1/4 (ar.)	orch   44 (at.)
43	Artemis, daughter of Sarapion	
	gr. L. 3 (ar.)	orch 4, 3) orch
11	Acutionus, physician	
	gr 1 extur)	
45	Ammontanuis, veteran	
	gr. J. 1 (ar)	orch LL(ar.)
4fi	Anchoromphis, Arab archer	
	ді. 1. 20 1/2 сил	
17	Apollomos, son of Kallistos	
	gr 1 2 car 5	
k8	Alexandros, soldier	erch 4 frain
JO	The sister of Valerius, cavalryman	
	er 1 k 1/2 kles i	orch 1.2 (ar s
50	Apolitisting, son of onos, and his b	rother Somissius
		rach I from t
51	Anim (g) 1/3/3/4/1/8 (ar.)	
4.3	Arrianus, veletan	
	grid 2 car i	
53	Germanus, son of Genelbon	
	gr 1 3 1/2 (ar.)	
54	Gemellus, veteran	
	gr 4 24 (ar.)	
5.5	The wife of Metay cavalryman	
	gr 1 Star F	
544	Gaton L. 1	
	(gr. 1   23 1/2 Car )	orch, l. 3 1/2 card

57. Gemellion, veteran

gr I diaco

58 Directories, son of Psenamounis

gr. 1.2 LePourer

59. Distyment savalryman.

arch 1.5 3/4 ran s

60. Diodora, daughter of Psenamounis, sister [ ] 1

gr. 1. 10 13k (ar.)

61 | | | | | | |

orch 1/3/1/2/18/car 3

62 1 gr 115 1/8 (ar i

63 1 gr 1/10... [152 cm r

aidi EStari

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of plant

65 | i

39 F 10 T 2 Ge 3

Cat III

66 Diogenes, veteran, son of a 5 Psois

gr 1 21 car c

ordi I Trans

67 Didymas, othler

yr 1 Trans.

regist 3 from t

68. Heraklein, this 20 wife, daughter of C5 Mysthe)

gr 1.5 1/2 car x

60. Diodoros, son of Ch. Lerenkat.

gr 1 5 cars

70 Diogenes, sound Gemellus

gr 1 24 311 (ar )

orch J. I raili

71 Didymos, son of Ision

gr. l. 17 (ar.) orch 1.2 (ar.)

72 Diogenes, son of Antonius Kalabel

gr. l. 14 1/2 (ar.) orch 1.2 (ar.)

73 Diogenes, son of Lucretius, "of the walking area" gr 4 (2.1)2 (ar.)

74 Dios, som of Sarapairanoo gr. 1 3 (ar.)

Demaious, wife of Pasinikos gr. J. 10 UV (arx)

76 Diogenes, son of Co fitto in Tapis gr 1/25 (C2) and

77 Diogenes, veteran, in (the place 1) beyond gr. [-3 (a)] (

Hermanus, sons of Concums
gr. 1.2 (ar.)

79 Eudarmon, agent of Posidiomore et 1/22 (ar.)

80 Herenmus, veteran, in Neston, gr. 1/2/1/2/(ar)

81 Hermanus, in Nestou gr. 1 34 car.)

82 Heremins, veteran gr (20)sar ( orch (15)ar (

81 Heriens, son of Sasses gr 1/3/12/ar>

84. Herakleides, son of Nestesios

gr. J. 5 1/4 (.a.)

85. Herary a kia Seveta

gr 1 11 cares

86 Heraklas veteran

gr 1 (3.12) tar s

82. Herandons, class wife.

gr | 10 | 15 m

88. Herakleia (his cwite in Neston)

er I II (at )

89 Herakleides, rayali yinan

gr | 3 | Linux

9ff Berais daighter of Kornes

grid 10 said

91 Heron, from Bacchias

gr | Mean

augh 1. Frat i

02. Herac representation of Because

er 1 14 cm

93. Herakhimmen, son of Viderios

or I I, I kears

93 Herakles and Herien

or kildren.

05 History daughter of Cliscocophis

gr | 1 th 1 th X Lat 1

un. Thermoughs, daughter of Semesas.

gt 1 32 - 1500

97 The daughter of Vettus, in Neston.

29 J. 3 J. 2 Carlot

## 98. [Jul]ianus, Paouales (2), in Karanis

gr 1.51 | Lar

the Helderos, sound Years

gr. LN 374 car a

Inti [Ju]hamus, veteran

grill block

each L | Late)

101 Julia Ferna-

21 1 48 cm x

orghill tarir

Cot IV

102 Julia, mother of Boothles

er 1 2 cm r

103 Josephov, slave of Demetros, explynmiorately

gr. 1, 20 f. 2 car s

103 Julius Neverus

gr. L. Alturna

hts Julia Koprons

gr. 1. Stream (

orch 1,3 1/2 (a) 2

Ino Irranos, decorror

eich 13 B2 mild

10° The hears of Ignatus Diogenes

gr I Millian

order 1/2 order

198 Kollands, son of Justus

21 1 3 2 1 1 1 1

orch 1/2/12/1920

199. The hens of Annis, sereon

gr 1.7 cm²

110. The heirs of Thogenes, veteran, in Neston.

gr I & DC for i

511

oselicil. 4 172 rau i

112 Caston, som of Julius

ye L. Millor S.

orch 1, 6 car.)

113 The heirs of Robus, concot Sarapion

gr 1 45 35kg at 1

ordi 1 9 cir i

114 Krekov son of Herotias

gr 1 hours

115 Kasas, son of Kasyllas,

gr 1 to car c

each 1 1.2 cm i

116 Kopres, treedman

21.1 5 D2 (at )

117 Kopies, son of Petronois

gr 1 3 cm c

LIS Rytillion, son of Vettors, in Neston-

21 1 2000

119 Kromon, son of Euphrates

er 1 2 au c

120 Kyrilla, sister of Sarapodoros,

er I hour

121. The hears of Peusconas, sop of Johanns -

grilly transfer onch 1 Seat i

122 Kopres, whose mother is the

gr 1 Pour i

123 Kopres, son of Apyrichis

gr. J. J. J. Dates at

124 Kollouthos, son of Asklas

gr. 1. 4.1/2 rano.

125 Capitolinus, beneficiarius

arch (307ar.)

26 Longus, veteran

gr. 1/4/1/8 (ar.)

127 Lucretius, son of Lucretius

gr {: 94 (ar )

orch J. 34 (ar.).

128 Leonides, veteran

er. L. 2 car s

129 Longinus, son of Sarapion

ga 1 12 1-2 (ar )

mode 4-12-10s car y

130 Lucretia, daughter of Lucretius

gr 1 16 1/2 car >

131 Energianus, son of Automio-

ign LS Distance

D2 Meyta Clementona

per 1, 73 march

orch 1 14.1/2 (ar.)

13.3 Melas, physician, and Sporos, freedman

gr. 1 18 Gir i

134 Mystlies, son of Orsenouphis, tesserarius

grafite. Harri

135 Maximus, secretary of the financial administration of public land-

gr 1 25 tar r

erch 1 422 cm.)

136 Mystharion, son of Capito

gr 1 Start

137 Marcianus, son of Kasyllov

gr 1 12 (ar )

#### Col. V

138 Nemesas, veteran

gr 1 1997ar i

139 Mousa, wife of Diogenes, Veteran

gr I 4 rat r

orchi I. 2 (ar.)

110 Mysthes, manufacturer of oil

gr 4.71. 16to

141 Menents, son of Zorlos

gr. 1 Motor. F.

142 Maecianus, stave

gr t 4 b/X car t

LB Neiling son of Mysthey

gr. 1 to 1/2 kgr F

144 Nemesion, veteran

gr. 1. Athica e

orch 1/3/1/2 (at )

145 Numissianus, son of Nomissianus, and Rufus.

146 his brother

gr 1 32 har i

orch, 1.5 Cor y

147 Namesius, goldsmith

gr 1 Miliar i

orch 1,8 1/2 (a) )

148 Sepotianus, son of Sabinianus

gr | | | 3 | | (4 car )

ench III. Har i

149 Sumassurs, son of Sarubutas

grill 106 arii

orch Lavaria

150 Nepotianus, soldier

gr 1 11 334 mas

orch I I tara

- 151 Nikanor, son of Syros
  - er. 1.7 (ar.)
- 152 Nemesas the club-footed
  - gr. 1. 3 (ar )
- 153 Neophytos, son of Islon.
  - gr. 1. 3 (ur.)
- 154 Numersons, con of Alkimov
  - er t. Learn
- 155 Nemesiffa Futerpe
  - er 1 20 junit
- 156 Valerius Ann y
  - grad Agarda
- 15" Valerius, from Arsinoe
  - ye 1.7 F2 cut F
- 190 Valerius, son of Pessis
  - er 1 16 cm t
- orch 1,5 4/4 (arc)

- 159 Valerius, cavaltyman
  - er | 23 | Leac |
- ouch 1 2 car i

- 100 Octavius I I
  - gr 1 33 34 1 8 646 632 (acc) orch 1 3464 (acc)
- lol Chinophris, son of Mysthes
  - gr I Tract
- 16.; Valerius, painter
  - gr 1 9 1/2 ran c
- 963 Verus, decurion
  - pr 4-9-19-19 (ac)
- each 1 Don't
- 164 Valerius, son of Herakhimos

gar 1 2m (ach)	orgh 1 6 1/4 car s
In5 Proflors, daughter of Salvins	
gr 1/35 ((2) (ar.)	
This Pisas, son of Nestnephus	
gr 1 15 1/4 (ac)	wich 4,2 far i
167 (fablius setum)	
gr 1 47 1.2 (ar.)	oreh. L. Fran 1
168 Paniskos, cayaliyaten-	
gr. f. Stream	orch 1/12 car i
169 Perermonthy saddler	
yr I Loary	
170 Piests, son of Hattes	
gr 4 111 3 km m	
171 Petronius, ni Seston	
gr 1 Nour.)	
172 Pasipsenias, valued Arabus	
gr 4 12 (a) 1	
173 Ptolematos soldier	
en 1 Som o	
174 Pasas, son of Syros	
gr 1 krar i	

Cot VI

175 Papsois, sow of Ignaturs, and his bisther Diogenes gr 1 Touri

176	p.	gr.	L	÷	1:	٠.E	١
1 - 10		200				35	•

orshill tar.ə.l.

ouch 1 5 (2)

## 186 Sabinianus, veteran, in Neston

orch 1, 2 cm3.

## 188 Syrion, son of Numerius

ondi 1 1 1/8 1/16 car.)

erch 1 1 178 1716 cut i

190 Setembs, Jesseracius

(9)	Sarapion	SOB	et P	.[[%
	g	1.4	1,6	

192 Sarapion, son of Christinos

gr Lillian -

metril Arter t

194 Scremis, son of Zoiles.

gr | U tac t

195 Serenus, son of Leonades

gr 1 ( - ) (ar )

196 Sarapion, J. J. in Sestone ...

gr 1 | | Lar e

197 Sarapsis I - 1

gr | 7 1/6 kar r

198 Seremy, son of Heras.

gr 1 X ( n )

199 Sarapia), wife of Attenudoros

er tokum

200 Sarapion, son et Arcio-

gard from 5

ended that i

201 Stratippos, son of Diogenes.

gr. 1. 24 (ar. 8)

orch 1 46 5 2 van 8

207 Setemis Again opens

gr 1 5 our s

203 Satyros, son of Julius

gr 1 Miller

orch 1, 6 (ar.)

204 Serenos, von of Julius

gr. 1, 27 car i

erch 1.3 1/2 (ar E

205 Titus, from Aphroditopolis

grid Bhairi

206 Liesis, daughter of C. Vilkramout

grid Lores

207 Jurho hathkeeper

gr 1 South

508 Tesenris, dangliter of Psashi-

gr I ditari

209 Dayla Surapres

er I fermer

ench 1.3 Schmack

210 Chargs, win of Sabinary

gr | Niano

Col 3 []

214 Chy, som of showing

er i filmi

252 Ch gr t 4 t 2 coc c

215 Harvinge 1 9 famili

214 Horse gr 1 8 cm C

218 ( ) gr ( 98 3. km)

eigh 1 65 1/4 (a) F

216 | |

21.1 and [11] has been inclinated

20 by the first who have preceded me-

219 gr. 1, 570 (as )

oreh 1.44 1/4 1/16 (at )

- 220 The 25th year of Marcus Aurelius Severus.
- 221 Antoninus Parthusis Maximus
- 222 Britannicus Maximus Germanicus
- 223 Maximus Prits Augustus
- 224 L Autelius Pasion, village secretary, have submitted (this list)

LAdoptizione Horatoschold Autolius Pasion is mentioned also as sillage scribe of Philadelphia in P Mich. inv. 5290a [published by P J. Signesteijn. 2PL 106 (1995) 219-220], a document on notamination of hiorgists (AD). 2150b. This document was not acquired in the same way as 137, but was found during the 192820 evens altogs at Karanis (see Supesteijn 219, n. 23).

Properties of Lorentz of the ferminal probably taken from the official order to fevy the special tax. See MEXIV. 11651 2-3 (Middle Trypt. AD 231-233-2). Superfection Logical constraints of the Exploration Logical constraint. Maps of Logical constraints. Some telegraphic Maps of Logical constraints. Maps of Logical constraints. This passage comes from a letter subdressed to the strategy and royal verbes of the Heptanosina and Assimpte in preparation for a visit of Severus Alexander and his mother lights. Managea.

Fritism to Kitt grown. Thave bound no exact parallel to this expression in this period. These two words, lowever, are alterally opposed in classical tireck to context specific and general aspects, et e.g. Plat. Parim. 12% and esp. Ariston. Met., 1059h37. The expression is bound again in the singular in later papyris e.g., BGL. 1.316.37 (a.M. Chr. 271, A.D. 386), ex. august cio.co. with resp. (La clause frequent in the fifth, sixth and seventh continues. A.D.).

 $P_i(P_{\rm DC}, {
m VIII}, 11.54.12.13$ )  $\Lambda$  D. 421) office integral dialog taken taking in given  $q_i$ P.Dub. 33 17 (= \$R 1 5178, A.D. 513) (one); Ken yeveking To understand the use of the formula in 137, it seems preferable to start with yevog / yevered. The adjective greaking is simultimes used in opposition to άργηρικής, see Pitter 1, 3869/5-6 (A D 282), τόξε μη κινίης λόγον appropried and perfoles. P. Prog. I 10 st (A.D. 309-315) the appriedes Kirpow yes recove [with explanatory remark to ZPF 27 (1989) 246], P 466-132 pecho 3 and verso 1 (A.D. 339), P.Boo. 43 9 (2.5R V 76d5, LA D.); gevieng if reproperties. P. Oct. 1. 3569 shows that gives of and reproperties can mean. "in kind" and "in cash". Confirmation of the meaning "in kind" for gryogcan be found in BGI 1.14 (2.7) (A.D. 285), and especially in Pitico 1.43.8. ITECA DE 2276 topozacijanskiv segras maje ini tom ov opložija polasti i 1 f 5 district the state of the state tila major konta. Sporta, Sporta, Sporta, Sporta in the same transfer approved a territorial revest spublic destillar, remainer. Comme back to norroginal, in-P Street VII ross contributions are listed either it, uppropriot, on cashi or is arrason, (in grant. I would assume that or prouse, corresponds to rido, The comple a docy, period is paralleled in Latin with operary Connecting O. Hey, "genes", Intl. VI 2 (1929) 1902, 40 (1903), 9, and is preserved in modern languages, is in French "parement on expeces, parement en mature", or in Eurolish "specie" Johsolde form equivalent to "in cash" [7] "in kind". Coming back to forcial core person in P Date 33 (7), the editor translated this expression by "severally and generally" [see Total 5 eponing 841. A vendor is pledging, as a granuarized for a cale, all his possessions, present and future, it therefore seems likely that one should rather translate. toxicity sere specially by the eash and in kind." The same applies to P. Ovy. NIN, 2238-22 (A.D. 551) and 2230-22-23 (A.D. 508). In BUICT

316.37 (= M.Chr. 271) (see above), the selfer of a stave also gives a guarantee to the purchaser, offering as a backing for his guarantee his present and future belongings, is now trained a work yield. Again, as in the case of P Dub. 33-17, one should understand this as "in all form of each or kind"; but the specific meaning of croop as "cash" is not always clear in some cases it is apparently used for "kind" on national, see Preisieke, WB IV 657, 24-50 (§ 5). Prersigke also noted the use of allog to designate. payment of taxes, see WR III 234-235. Although one cannot clamy that every occurrence of the wind is to be understood as "cash". If seems appropriate to mention the particular case of psecobrouity goptov for in responsible to the Alexandries. In space of the working itself (which must refer to an earlier stage of the collection of government yoursoot, this fax was collected in eash, see P.3. Supericipi, "Receipts for goggio-provoferante and Other Taxes" (2PT 87) (1991) 263-267 (sec also ZPT 309) (1995) 107] Since it has been demonstrated independently by Superterin that specification refers to a tex paid in each the expression areas rich can implicitly refer also to payments in such-

Another Apron. normatch of the Arstronic nome, for which see G. Meiseri / R. Pantaudi, "Apron. normatch of the Arstronic nome, for which see G. Meiseri / R. Pantaudi, "Apron. normatch of the Arstronic nome, for which see G. Meiseri / R. Pantaudi, "Apron. normatch of the Arstronics", ZPI (120 (1008) 131-14), esp. 136 (100 (25 m) rhe had established by Messeri / Pintaudii, In SBA) (1956) 1/2 (Philadelphia, A.D. 214), his status of approx. (Aλαξανόρωσε εφρίωθη ποριατικής ποριατικής (100 (1λλαξανόρωσε και το χρημοτίζει (101) Latter text is an application for the lease of 8 atouras of land belonging to Vorelius Apron.

The Adoptive of Equation is an interest of Equation of Equation (A.) And Adoptive is confirmed by P. Alex Gos. S. I. (Arsthode nome, A.) 215 κ. [Αύρηλίος Έξρατος του καὶ Απησίλλησης [Επητεριστορής που μεγάλλος ! [Σαθρόπειδος γινομένου στροτηγώ της διαμπροτορής πολέρες (Εξίος Αλείξεν (όβραν) βουλευτή και του χρηματίξε (Επ. In the petral from 216 to 219, he issues tax receipts for the 2000; προβάττου in the Associate nome, see P. Land. 10, 851 (p. 42). He appears again in P. Carro. 11 1/2 (Philadelphia, A.) 204/5 h: Αύρηλίος Απολλονίος γενομένο προκοβέττη της (Επηπροτείτης πολέρος του Σάν Αλείξεν δρίου (Επ. Σάν αποτείτη του villagery του Dios son of Sanapanonious see below line 34) offer to lease from Apollonios σεν μεοπίας of land five of which belong to a date grove. These five atomas must be sucladed in the In 1/2 18 μεοπίας presently recorded as orchard land.

13 Larroz (Borzápusz Krárássz, a son Ortasz, rvoz The appears in Petien 1.77 (Philadelphia, III. & D.), without the przomonien and in Petien 1.72, samply is Philosomos see the new edition of these two papyor (forthcommy). Petien 1.72 is shated 10 Lipsoph of a 19th sear remperor not specified). On the basis of the writing, it can be assigned to the third century, it should therefore be dated more precisely to 4 July 211.

Gams Valerus Celearis a kar Philocenos is to be found also in P Stray TX 897-15 (III A.D., provenance unknown). His name appears in the publication as Lings Occide/pinor—2, pro-tem-Prizogree J. J. Tommer (Strasbourg) kindly obecked the text for me and continued the following reading Truss Official/piny Krizmons—a viri Occidence P Mass IX 897 as a short list of names with surfaces of Land (Philocenos bas 2 arouras under his name). Another Valerus Philocenos, found in P Lond 4I 188,85 (p. 141)

Here [see also BGC = CPI = 471, PF = 73 (1988) 56] may be the same person, although this is far from certain.

14 Γεμέλλος άπό έκατος τωρ χ ίως: Α [1/ε]μέλλως έκατος τώρος ης appears in P Fel. 49 36 sprovenance unknown. III A D I, but it is not possible to establish a certain lank between the two occurrences of this name. On the title ώπο εκατίος τορχούς, see P είως ΔΙ VII 3365.14 (A.D. 241). Θάηθισος Ωρηγενούς έποι εκατονταρχώς In later documents, editors have resolved the abbreviation as ώπο εκατονταρχώς τοί centurion rank) see PSI VI 713-22 (III A D ). Κοτρού γενομένη γιανή Τηρικλειανικό από έκατονταρχών , P Con. Tod. 91 3.4 (A D. 309). Χορηλίος Νείπο οιτεριανία του εκτιμος απολελισμένου ώπο εκατοντάρχων της P Flor III 320.3 (A D. 373), αδέρτασε Δεδόμου στο εκατοντάρχων. Το apparently tollows the Latin terminology, e.g. σ ταποπαθήπο, which is frequent in the soth century.

15 depose the Evention kill organish See P. Org. XXII 2346-23 had note ad local depose two kill Squards. C.H. Roberts understood the word depose two tentatively as anomber of a family which has provided archors." See also I SI Res. Suppl. c.s. depose two; where depose there is translated by "people of rank and commoners." The occurrences in CPR X-12.13 and 19, and 17.8, do not help us understand the word. In 137, the expression depose two isototone kill depole two seems to confirm Roberts, translation. A more simple explanation however might be that the whole heading refers to metropolitans, as opposed to Alexandrians and villagers, see above, introduction. On the question of civil datus, see C.A. Nebson, Statio Decharations in Roman Egypt (Am. Stat. Pap. 19, Amsterdam 1970).

17 Tobart see representations, See Bert VII 1647-25 (Philadelphian RAI) provided. Tobarton capy temperatures to., This latter text is dated to Meelien 6 of a 6th year, that is 5 March 198 or 227. The publication of 137 now makes the dating to 227 almost certain, unless one were to consider dating #GU VII Bel7 to 245 (Gordian III s 6th year).

18. An oblique stroke can be seen at the end of the line, due to the gap on the felt of the stroke. I do not feel that I can offer a satisfactory explanation.

in RGT XIII (200) (Basichus A.D. 203), a fax receipt for the vineyard fax Giži espo (indivious) and for the outres day (ample spore). In RGT III SSN no.15 rearly III A.D. (, she owns, failed in Nebeuryton). Assuming nome, distributed the RGT III of the Owne, hand in Nebeuryton. (Assuming nome, distributed the RGT III of the (Aromonte nome). April 217 (, there is, a mention of bongunos Thermonthamon's bests. Best death must have occurred between the writing of 137 and that of RGT II of the We thus have a second outer querie. A Transmittal Thermonthamon also appears in P. Mach. IV 224 (150) a register from Karanss, the date of this document (A.D. 172) to makes up identification improbable, although not empossible. See also note to line 98.

21 Acception, in promote greater. A line retion appears as frequent proposed to the appearance of a second addressed to the appearance coming of Soknoparov Nesos, see NRA 1957 U. 2 (II. V.D.). This is probably the same many who appears also in RGU 1.121.1.2. In W. Cho., 184. Assumite nome, A.D. Poly but the name I nevel us is from

Irequent to warrant a certain identification. In PRO(11.206a.14) use above, introduction), probably the same man is recorded as either  $\Delta \cos \phi \sin \phi \phi$ , where the  $\phi \chi \phi \varphi$  or  $\Delta \cos \phi \sin \phi \varphi$  graps arous  $\phi \chi \phi \cos \phi$  or  $\Delta \cos \phi \sin \phi \varphi$  graps arous  $\phi \chi \phi \cos \phi$ .

22 Horzerphol, preparent pygracia. This man is known by his full name. Marcus Arrelius Papirius, in a receipt from Philadelphia, Birl. A II 1656 I. A D. 213/46 Mirphol. Vojnjano. Horzerno, pop somonydoma: Boo accordance. Apart voletos. Folker y. He appears again in P. Ding., 34-1-2 probably originating from Philadelphia (A D. 222-234).

2.9 Afstroption Protection, J. This is probably the same Titama as appears in P. Hamb. I. 18 and 160 Aramotte nome. A D. 2000, where, doing with three other persons, she sells a small part of a house in Philadelphia, for 100 structurals to Antonia Thermontharion (see line 32). In P. Hamb. I. 10 to 18, her grandhar as her you. Claudiannis ask a Proteinaros, exchigh priest of the city of the Aramottes.

28 pages 1. Prosibly is fig country or which case this line could sometime a heading or a summary of the preceding list. There would then be 12 overropolitan magistrates in the list, although it seems difficult to press the argument on the besis of this reading.

32 Activitation A non-Probably Activitation Activitation but the patronyme is allegable

ox [7] v. to Norroy. This place name, elsewhere called to Norrow concerns, is found for tones in this register (see also 80.81, 88, 97, 130-118, 171, 186, 196). It is most intimately connected with Philadelphia from

Profession Charleson, See Calderine / Dans, Distintance der nome geografier, S.A. Niermon Charleson, P. Corn., 22 (Philadelphia, I. A.D.), confirms the close connection between Philadelphia and Nestos, it is a census roll listing persons domicaled in other villages. Almost half of them (5) out of 125) are called Nauromodici in a trop be understood as Newtonian executions. In In P. Ware, A. (Philadelphia, A.D. Mo. two people of to too Newtonian agree to pay arrears of rent for load to Philadelphia. From 137 as well as from the two documents mentioned, it is ylear that land belonging to residents of Nestos were administered from Philadelphia, and that Nestos was listally a part of Philadelphia.

- 41 Action: Priese Priese. See P. Hamb. III 225, 16 (Philadelphia, 474).

  A D.E Hoor: Priese.
- 42 'Avgovio 'Organishingus'. This woman is to be found also in RGC VII (6)2 18-19 (Philadelphia, VD 222, see above, note to line 12), where she pays 12 drawlinias in taxes to P Hamb. 1-18 (Philadelphia, 30 Sept. 200), she buys a small part of a house in Philadelphia, for 100 drawlinias (see also above inde to line 23). She avails herself of the rive trion liberorium, and her age is given as its years. M the time when 137 was written, she was therefore \$1 years old. P Hamb. 1-16 (\*Oct. 200) deals with the same business as P Hamb. 1-15 Focally P Rose George V 58-4-5, should be read. Visitescripted our tory uspraint. Accounty Ocephoolborous, to this land register, 8 ansatro-are listed under the name of Apronia Thermometrion's son. For the daming of this papyrus, see P Diose. 44-45 ip 233).

48 oxpitexiology. This abreviation recues in lines 48, 67, 150, 173 and 189. I cannot think of a plausible alternative to resolve the abbreviation. It should be noted that, in all five instances, the names followed by 19491 - are men's names, also, in two out of five instances, the name is a Latin one (150 Nepotianus; 189; Sempronius) Soldiers on active duty were in principle prohibited from purchasing land in the provinces where they were serving. See N. Lewis, "Soldiers Permitted to Own Proxincial Land", RANP 19 (1982) 143-148, which quotes the Guomon of the Idnox Logor (§ 111 = BGU V 1210, 43), along with Digest 49, 16, 9 (Marcian) and 18, 1, 62, pr. (Modestinus). Lewis shows that the possibility for soldiers of purchasing land previously confiscated from their fathers for fiscal debt was probably already in force in ligspit around A.D. 185%, that is forty sears before the relevant Several legislation. In essence, such purchases would have been a kind of reclaiming of land. This in turn seems to indicate that in contrast with purchase, ownership of land was not prohibited, as long as the land had been acquired either before emollment. or through inheritance. See R. Abton, Soldier and Society in Roman Lexpe-Loudon / New York 1995) 59

57 Feyekki [10] v. sale repressor). See P. Rol. II. 206a, discussed in the introduction.

60 Υιοδωρα Ψεγαμβούστας) - άδελεση. There may be two sisters in which case one should read Διοδώρα Ψενιμβούντας και ή αδελεσή:

όδι Διογενής οδεξαιονός: Ψότις See line 175: Παφόες Τγνοδίου καί Αυγένης άδελορός: Ψότις could be Diogenes' nickname

68 Housekein young Mondoo. This name is placed among names beginning with letter A, against the alphabetical order. It follows Midupos: στριστιώτης) thine 67). The only other occurrence of such a case is to be found in line 138, where the veteran Nemesas is listed before Mounti your Διογένους σύστροποσών (line 139). This double occurrence suggests that, in both cases, a husband and a write could have been placed together in the register. In lines 86-88, Heraklas and his two wives Heraldous and Herakleja could be listed in succession without breaking the rule of alphabeheal order, where only the first letter of the name was taken intoaccount. Such an explanation for the apparent misplacing of Herakleia wife of Mysthes would lead to the translation "Herakleia, this) wife, Jaughter of Mysthes" In line 139, one should then also translate "Mousa, his file, Nemesas') wife, daughter of the veteran Dingenes". Against such an interpretation, one should note that as in line 55, yeary Milkovog does not leave any doubt that the genitive refers to the husband, and not to the father; by in lines 75 and 199, understanding the genitive as a patiengine would require that the husband's name begin, in both cases, with the same fetter as his wife's, which is not very probable. It such a prouping of husband and wife should nevertheless be accepted, the practice is not consistent with other forms of grouping, the cavalityman Valerius is to be found in line 159, under letter Octor Oberkrytog), whereas his sister is listed. in line 49, under letter A (for tidekon Onick r provinssing).

69 Arôdopost Teprevert: I have found no parallel for the name Erprevert: It could be Diodoros' nickname.

72 Anyriving 'Avronvino Korkorβrik, The name Krizorβrik could belong to Diogenes' grandfather. A Diogenes, son of Antonius, is to be found in

Sintes

P.Hamb 111 225.18 and 26. The name Kalabel is found only at Soknopajoo Nesos reacept for P.Mich. IV 357a 19, from Karanja, A.D. 173/4), or, when the precise origin is unknown, it is invariably the Arsmotic nome. All datable occurrences are from the beginning of the third century. See e.g. BGI 11 392.36; 639.7; P. Immer 32.15.

The Analysis and American Harmonian probably. See P Ding. 27.26. Analysis of Unipersistence and note ad less. The Dingenes listed here is probably Marcus Lucreitus Dingenes, for which the archive P Ding. was named in P Ding. I suggested that Hoporoportional could be a toponym, but I have found no other parallel. Dus adjective is derived from ποτρισδρομή ("mining by"), or connected more probably to παραδρομής ("place for tiking the ant"), see e.g. P Oxy. III. 502.19 (Oxyrhynchus, A D. 164).

P. Frog. I 50 n 60 (Hermipolis, A D. 200). This could be a mcknome.

24 Across Superconjugación de Coza, 11 (Philadelphia, A.D. 204/5<sup>-1</sup>), Dios makes a joint offer with another ciflager to fease are atomás of familianny an Alexandrian. Amelius Apollogius (see above, fine 11)

Philadelphia rear 10 km is see e.g. P. Ding 40. Train could be a mekname instead of a patronymic? I owe the following information to Prof. Al. Hanson, to whom I express my grabbude. "Train is a name known principally at Philadelphia stor other occurrences of the name as of 1970, see P. Mich. X. p. 4 and toomore 6, introduction to P. Mich. X. 578). While G.M. Browne was wrong to argue that the 'year 6' in this paperus is probably 22/23' of should be '45/46'), even the first-century (Philadelphia) has argue has only a few men named Titrix, and they seem to be related."

17 \(\frac{1}{2}\text{singleton}\) of a to avoid in the introduction. According to Calderini? Datis' Distinuation der nomingeografici. Hispirion account \(P \) Min h. \(\frac{8}{2}\text{V}\), p. \(\frac{1}{2}\text{to}\) is the name of a stright in the Arsonolic. See also \(P \) Lent. If \(\frac{5}{2}\text{5}\) (If \(A\) D \(\frac{1}{2}\) In our case. He probably to be understood as the adverb, although it is difficult to ascertain what is meant by "beyond"

78 Tapacivos, Aoggison. The name is to be found also in P Hamb. III. 225.22 In P Daisy. 29 3 (Philadelphia, A.D. 225) an Amelius Langinus, son of Herminus, makes an offer for a lease. This Longinus could be the son of our Herminus.

79 folderiging opens 1833(2) Horné accour. Posadomos is known as a wealthy fandowner and prominent Alexandrian from other sources, he is related to Appraises' family, for whose estate see have apople information. See Raffitione cabove, footnote 195 esp. 14-15, 25 and 47. Posidomos had other agents, but hudarmon is not attested as such anywhere else, see Raffitione 75.

S0 Tep/veror ofo tysovog, iv the Norton Sec P Rel. II 200a, discussed in the introduction

82 Tapiverse courty average Sec P Ry t 31 200a, discussed in the introduction

Rh "Hydriczon, orderpolicion." See P(R, C) B. 20m, discussed in the introduction

86-88. It seems that we have here a case of biganty. Heraklas has a birst wife in Philadelphia (Heraidous), then a second wife in Nestos (Herakleia). This goes against the pattern emerging from the census returns from Roman Egypt, where "marriage is incrogamous", see R.S. Bagnadl I. B.W. Errer. The Demography of Roman Leypt of ambridge 1984; 321. Cases of biganty are nonetheless traceable in a number of instances, see I. Rowlandson ceal v. Women and Sounds in Greek and Roman Leypt. A Sound of Cambridge 1990; 320, 188 and 209.

91 Browgenith; The use of the adjective points to an immigrant, whereas e.g. is. Kup avide thing 98) refers to a resident of Karanis who owns land in Pluladelphia.

appears in P Coor Trender 10 exem 16 and 20 xxxx 17 xxxx 20, xh 3. This document conses from Karanix and is dated VD 1912. This person is also found in P Mich IV 22a 422h (Karanix, VD 172-3). Although it is not improvable that we are dealine with the same man here, the time span between these three documents seems rather long. See also note to line 10. On ay Kup rivi8), see note to line 91.

100 [Too] Auryon non-to-orong. For a parallel to a veteral called bilianus in Philadelphia in this period, see P. Hamb. III 225-14 (11/III A.D.).

101 Torokio, Teprus, Inha Tertia is found also in Ref. 11, 567-28. (If A.D., 5), where she has lent 200 drachinas to a min colled Diogenes.

103 Τσοχού δούλους: Δημητρίου γωμευστορχήσου τος: The name "Impyo2 is not attested in any other papyrus, and I have found no securrence of it anywhere else. One cannot tule out a relation with the mante Elecotigos, which is very frequent in the area of Karanis and Tebrynis. The initial inta is confirmed by the alphabetical order of the register. It would also be possible to read Tong peologithus name is well attested in Attrea, the Accean islands and the Pelopinnese, see P.M Fraser/ F. Matthews (ed.), A Lexicon of Greek Personal Sames, vol 1 to Illa-(Oxford, 1987) 1997), s.v., Insegnancy also P.Brem, 44th (A.D. 113-120. Hermopoles 's Arching a cert Aspection ; Toxypianos For another instance of a slave listed as oxining private land, see line 142. Slaves could, under some circumstances, own property, see R. Laubenschlag, The Law of Green Roman Egypt in the Light of the Populi (Watszawa 1955), 87-91. 1 Bierunska Mahowist, Low bronge, dans 77 gspts, green-romanie, vol. 11. (Wroclaw 1977) 133-134 and 155-152, J.A. Straus, "L'esclavage dans Pligypte romannel : 45 R3/11/10/15 (1988) 378 [to this case, the slave seems to be the actual tenant of the fund, and his master acts as a gustantor for him. For parallels to gernoliscanche owning staves, see e.g. P. Grent 1 47 8. 9, P. Merton I. IN 7-17, Revi'l III 2007-539. Demeteros is probably the same Demetros found in Price 1 45 7 X Prolemas Energets, A15 2275, where he is an exceptionastarched. Assume

105 Taožito Kozpońcji Joulia Koprous appears as a fandowner also in P.Ross, Georg. V. SX 55.

106 Topovog, Probably Touvog, see P. Febr. 411.2, 1052.7 (Tebtyms, B.B.C.)

107 xAn povoinor Tyxubion Xioyevang See line 175. Hingoing Tyenbine coi Aroyeving dibiblogoing. In P. Hamir, III 224-14 (Plutadelphra 7, IIIIII A.D.), Ignature Diogenes is still living. With 437, we have a terminal anniquem for this other document.

113 vArpprovegov Posogov Eurportrewing In P. Orize, 45-31 (Philadelphia, dated before 216.7 on the basis of 137). Rubin son of Sarapion as still alice, and holds catherin (and in 1661, VII, 1617-14) (Philadelphia, 227 (see above, note to line 17)), the behavior Rubin son of Sarapione pay 12 dischause in taxes.

121 The emprior. Prototoly the same as Horards was but I have found no other occursoace of this spelling.

127. Tanctor, I have found no parallel to this name. It seems to be formed on the same model every. Agree 60, or Scitors.

123 Konzon Pfield Anszarfold A Kolzenollog Anszar felic Konzoldlosappears in P. Minnell, III. (44.2) Assurance nome. II. VII. c. but identification is few thrie cyclanic.

125 Bryone Octopios. On the form between sec.1 On, Die Benefolnauer (Historia Finzelschiften 92, Stottgan 1995), esp. (2-5 and 185-).

126 Viegeous or explored . See P(R,T,1) 206a, discussed in the introduction

128 Acordón pero aproved. A Acordón dos atros de com be found also de PART II 2003-15, see introduction

133 Mčžiog toropog. A physician named Melas is also to be found in Stud. Pal. XXII 67 262 (Soknopaion Nesos, IPIII A.D.)

134 Monthy[z] Operecobaring territor input. See BGU VII 1638a.9 (Philadelphia, II A D ). Microby, Operecomputed two Σαμβά un τρος: Τον ορφ [πρισσέ]. The Greek wand territophysics a teorophysics stands for Labin territories, see S Datis. B because latinos nel greek d'Egatic (Barcelona 1991), a v. ποσιεραμίος

135 ye opporting someopered. I have found only one parallel to this office, in P.Oxy. III 642 (Oxydlynchus, II.A.D.)

136 Moothopiose Korrerovog See P RvI II 206a, discussed in the introduction

138 Neporthy overty over 1 See P. Ding, 45-33, see also note to line 68 (above).

140 Μόσθη, ελιστουργός See P. Drog. 45.48. Μόσθη, έλιστουργός σύν ποτέσελο[ό].

143 Neikog Mortlino, See P. Dang, 45/25, Mortling Neikon kan Neikog Milita.

11° Soroginamez χρι σουχά στη See P Ding 45-15. Soroginal iz 3σολ αστοχούτες επίσους διες ε πέσο BGU, VII 101° 5 and P Rose. Georg. V 58-55 and 4°. On goldsmiths, see S. Russo, I growth max propriately the green terminos (Literate 1990) 278-270.

149 Νουμίσστος Συρίμμο The name Σαρίμμας is to be found elsewhere only in P.Rosa. George V 58.25. Απολιναφβίο]» Σαρίμμα. Since this document originates from Philadelphia, and is to be dated to roughly the same period as our register, it is quite likely that both persons are the offspring of the same Sammas.

152 καλλός. This word ("club-footed") is attested unambiguously as a mekname in P Coll. Youth II 105.3.4 (Panopolite name, II-IV A D ): 'Απρης (α καλλός. In other instances where the word has been understood as a personal name, it can also be easily taken as a nickname, see P.Bour. 38.9; P Horio. Reco. 7.13 (Ψόις καλλός wrongly corrected into Ψόις Κόλλουπ. P Horio. IV 224.1441 and 225.2434. See also note to line 202 for a possible nickname with the opposite meaning.

157 ἀπό 'Aριστνόης This reters probably to the village of Arsinoe in the division of Herakleides, for which see P Tebr II. Appendix II. § 5, p. 369-370; S. Daris, "Minima geographica, 3-4", Cdl; 62 (1987) 228-233, vsp. 230-233.

102 ζωγράφος, Possibly a painter who produced maining portions. See M.I. Bierbrier (ed.), Protraits and Marks, Rural Cosmus in Roman Fespt (London 1997).

167 Πούσλιος ούστριανός - See BGU VII 1658 1-3 (Philadelphia, A.D. 2349) Αθρήλιος Σερήνος πούς Πονσλασιού ούστρανού των Εντίμως θασθερλημένων και ός χρηματίζω.

169 Πετερμούθες παγματοράφος. Another saddler is active in Philadelphia in roughly the same period, see P. Humb. III 224.15: 'Απολλώς συγματοράφος. Yet another saddler is to be found in Karanis in A.D. 191/2, see P. Carr. Goodspeed 30 xxxviii 19. For other occurrences of this trade, see P Genova I 24.9 (pros. unknown, IV A.D.): P.Ross. Georg. V 61, fr. a 10 (Herakleopolite nome. ': IV A.D. 2): SB N. 10447-18 (Herakl-nome. 2.11 B.C. 2).

(75 Παγάις Τγναδίου και Διογένης άδελοφός) See Jine 107: κλητρονόμου Τγναδίου Διογένους, 60: Διογένης οία τριανός) Ψίαις.

179 Ποτάμων Διοσκόρου. See P.Diag. 44.17: Ποτάμων Διοσκόρου).

182 Hirrimy Aromeopou, See Stud. Pal. XX 65.4 sproy unknown, A.D. 213/4). Aromeopous Harrimoves too Aromeopous. The dating of this document would make an identification very tempting; but other names occurring in the text do not lend any support for locating it in Philadelphia.

185 Σαραπάμμως (στρος See P RvI. II 206a (discussed in the introduction), where Sarapanimon is also (στρος

186 Στεβεντηνός σύστρ ανός: τ[ν] το Narrog. See P.Rvt. II 206a, discussed in the introduction. A veteral called Sabinianus is also found in P.Hamb. III 225-15 and 36.

190 Σερήνος θεσσάρις t= reviewarmy. See P,Rvt. If 206a (discussed in the introduction), where Serenus is called a te $\sigma$ σοννάριος t; see also note to fine 134.

- 194 Σπροπίως Παπείτ[ On (Aurelius) Sarapion, son of Pasis, see P Diog. 29.2 (Philadelphia, A D. 225). 35.4 (Phil. (A D. 224)2), 53.6 (Phil. ). IERU A D.). He is the agent of Alaccus Locacius Diogenes II, see P Diog., p. 15 (also more recently P Mich. XVIII 296).
- 492 Σαρτίστους (Dopresson, In A.D. 2004, Surapion, son of Lamins, is 530/850ρ συργορικών of Philadelphia, see P. Hamb, III 211 S. The some man συνας παίωτε το P. Hamas, III, 225-28. The shorts has prosition of προσυτοίρο συργορικών with Seignos, son of Zorbes, who is to be found in 137 at fine 1914.
- 193 Στοροστοιμανίας (1930), γετος Το P. Proce. 11.23 and 12.13. Photodolophica. A D. 22.5. Samplarition, non-set Andersias is named as anotherity, eigensticated. This identify probable by tend as a sequiptropery at an appropriate of the probable for the title for which see note and level at appropriate applies for a person on charge of drafting documents on the present of dry write one and offer bug she has on such documents.
- 193 Z<sub>1 p</sub>aren, Pry van. Sg. above more to larg 197 after P Royal Courses. V 38 S 8 and P Dec. 48 (0): 5
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Diogenes apparently gives to Stratippos' sister some land located in Philadelphia and belonging to Stratippos buriselt, the lighter are for the most part lost.

202 Apollogone. The could be a nicktator "gard-boated", as approach to X (2.1.5), uses line 152. It is also attested as a vigitum, e.g. O Wilek 1482. 2. I zogother, as no Apollogon.

205 Appendix (2020) (202) At least two towns on the shvistory of Hetakharder are mean a under the mone of Aphrocatopolis age Calderina. Darry Discounts of the name exercise of Aphrocatopolis age Calderina. Due entry could also refer to the supplier case of the Aphrochrepolite norms on the opposite bank of the Nile at a distance of a C15 km as the crow flaw.

206 Acquipmer Presides a maximum for Liebes

210 Xayan, Safterson, A Xaque, Sudasson, speltar deriller, senting the Ambiental Color appears in 1667. All 1889 in Photodylepina, A D. 1668 in Although damaged, the damage seems secure. The older Character probably the grandfather of the person became the same remaining the same remaining and regarder.

215. The entry is unfortunately allegable. It comes at the end of the list past before what is probably awarber of documents. The contact of land issled for 1. 98.5.4 at couch 1. 68.1.4 at a document that this is also a global entry of some sets.

216-219. I did the preceding entry, these lines inner refer to a global emegors. We can guess that the about entries at the end of the register

referred to private land that had, in one way or another, been abandoned or contiscated. The first word of love 206 much tentatively be read asodia logo test, but this is far from certain. The figures region found 3.10 aromais, orchard land, 44 (44) to acquires occur to large for an individual. Morgover, the epitre which is the last one in the recipital to sport a full longer than the robotic energy. In large 217-5, we can understand that the figure to follow by tone 2.79 has been taken by a from a payments. properties, apply by agether sufficiency (Concret, or Sampling to read office ties throughout specialist the surprise to the later of the village when have preceded as ". The affect of the off to be, when were a rac year computaris agreed by A. Francia Landon and Except reports to proper Copyright, Bull Acad Roy of Helicipie Cl. declarity of decise monable. a politique e Sent corse toma de Braxelle (1987), 870 S. Lewis, The Languages Parkin Secretary Remain L. S. Pap Thin 28 Theoret that is the three relatively appears can of regular ment, only express the wondered the real of the case of the first convey were so, the latter we exceed the scents to refer to an easy country could by the I like a relative year. Owen Tablers some streett, after the village a votace on the village butterelia, and could treffet process off of the officer acceptance clution, see-Louism 1'4 and See Sus Res. 148 F. Mars NJ 275 IN P. Ramon Long. of a cope with SAT 12 strains at the training and the contract of the contract South of photograph of the second of the country of the country of the photograph of the country combiguous on the section of a summary of all the Best 1 (8 8 a. A. Che Such graphyprophers to the engineering of Southern Today, redder topological reports. South garger var. P. Wood St. A.W. 1800 draws distanted appreciation infinited the office of the village secretary in Protoderphia. In A 11 273, therewere 30 tyrioth terror in Philadelphia, see P. G. v. 1-32. As for the part these

Approfile exporting have taken in the drafting of 137, it is well known that they were frequently on charge of sleavering the goods for army requirements, including special occusions such as is the case here, see Forman 198-497. In space of this very template suggestion, the reading itself is rather problematic, and Rosen Reguelt has no londly checked the original for the way quite relactant to accept this tentile.

#### APPENDIX

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